

m. Karatau Province. Boraldy River Forest area. 2 km. South of Boraldy Forest Camp which is 80 km. North of Chimkent. Stream bed area. Rocky soil, dry. Aspect: North. Dominant tree sp: *Crataegus*; Associated-M. *sieversii*, *Prunus*, *Morus*, *Rhamnus*. Dominant shrub sp: *Clematis*; Assoc-*Rubus*. Dominant herbaceous: Grasses. Sampled 60 fruits from 1 tree. Fruit is firm. Drought stressed. Spur type tree (upright habit).

**PI 600566. *Malus sieversii* (Ledeb.) M. Roem.**

Wild. Kaz 95 17-10; GMAL 3677. Collected 09/09/1995 in Kazakhstan. Latitude 42 deg. 52' 27'' N. Longitude 69 deg. 53' 25'' E. Elevation 620 m. Karatau Province. Boraldy River Forest area. 2 km. South of Boraldy Forest Camp which is 80 km. North of Chimkent. Stream bed area. Rocky soil, dry. Slope incline: 10 degrees. Aspect: North. Dominant tree sp: *Crataegus*; Associated-M. *sieversii*, *Prunus*, *Morus*, *Rhamnus*. Dominant shrub sp: *Clematis*; Assoc-*Rubus*. Dominant herbaceous: Grasses. Sampled 150 fruits from 1 tree. Fruit is firm with aromatic flesh flavor. Very clean.

**PI 600567. *Malus sieversii* (Ledeb.) M. Roem.**

Wild. Kaz 95 17-11; GMAL 3678. Collected 09/09/1995 in Kazakhstan. Latitude 42 deg. 52' 27'' N. Longitude 69 deg. 53' 25'' E. Elevation 620 m. Karatau Province. Boraldy River Forest area. 2 km. South of Boraldy Forest Camp which is 80 km. North of Chimkent. Stream bed area. Rocky soil, dry. Slope incline: 15 degrees. Aspect: North. Dominant tree sp: *Crataegus*; Associated-M. *sieversii*, *Prunus*, *Morus*, *Rhamnus*. Dominant shrub sp: *Clematis*; Assoc-*Rubus*. Dominant herbaceous: Grasses. Sampled 40 fruits from 1 tree.

**PI 600568. *Malus sieversii* (Ledeb.) M. Roem.**

Wild. Kaz 95 17-12; GMAL 3679. Collected 09/09/1995 in Kazakhstan. Latitude 42 deg. 52' 27'' N. Longitude 69 deg. 53' 25'' E. Elevation 620 m. Karatau Province. Boraldy River Forest area. 2 km. South of Boraldy Forest Camp which is 80 km. North of Chimkent. Stream bed area. Rocky soil, dry. Slope incline: 10 degrees. Aspect: North. Dominant tree sp: *Crataegus*; Associated-M. *sieversii*, *Prunus*, *Morus*, *Rhamnus*. Dominant shrub sp: *Clematis*; Assoc-*Rubus*. Dominant herbaceous: Grasses. Sampled 20 fruits from 1 tree. Fruit is firm. Very free of disease. Insect damage in fruit.

**PI 600569. *Malus sieversii* (Ledeb.) M. Roem.**

Wild. Kaz 95 17-13; GMAL 3680. Collected 09/09/1995 in Kazakhstan. Latitude 42 deg. 52' 27'' N. Longitude 69 deg. 53' 25'' E. Elevation 750 m. Karatau Province. Boraldy River Forest area. 2 km. South of Boraldy Forest Camp which is 80 km. North of Chimkent. Stream bed area. Rocky soil, dry. Slope incline: 50 degrees. Aspect: North. Dominant tree sp: *Crataegus*; Associated-M. *sieversii*, *Prunus*, *Morus*, *Rhamnus*. Dominant shrub sp: *Clematis*; Assoc-*Rubus*. Dominant herbaceous: Grasses. Sampled 30 fruits from 1 tree. Flavor texture and firmness not evaluated. Shows some larvae (codling moth?) in carpels. Very early season for fruit.

**PI 600570. *Malus sieversii* (Ledeb.) M. Roem.**

Wild. Kaz 95 18-03; GMAL 3682. Collected 09/10/1995 in Kazakhstan. Latitude 42 deg. 53' 18'' N. Longitude 69 deg. 52' 52'' E. Elevation 910 m. Karatau Province. Boraldy River Forest area. 5 km. North of Boraldy Forest Camp which is 80 km. North of Chimkent. Xerophytic. Very stony